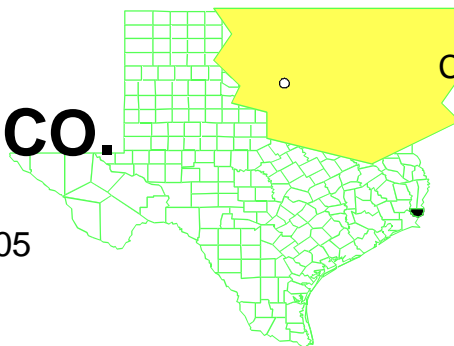


TRIANGLE CHEMICAL CO. TEXAS

EPA ID# TXD055143705



EPA REGION 6
CONGRESSIONAL DISTRICT
02
Orange County
Updated: 03/31/00

Site Description

- Location:** ! The site is located 1/2 mile south of Orange County Airport on Highway 87, Bridge City, Orange County, Texas.
 ! The site is bounded by Coon Bayou and the highway.
- Population:** ! The area is moderately populated, with 15 permanent residents and 50 mobile homes within 1/4 mile of the site.
- Setting:** ! The nearest residence is 200 feet south of the site.
 ! The facility covers 2.3-acre, with three buildings on-site.
 ! 30 above-ground storage tanks have been removed.
- Hydrology:** ! A shallow water bearing zone is found 5-8 feet below surface.
 ! The drinking water zone is 300-700 feet below surface.

Wastes and Volumes

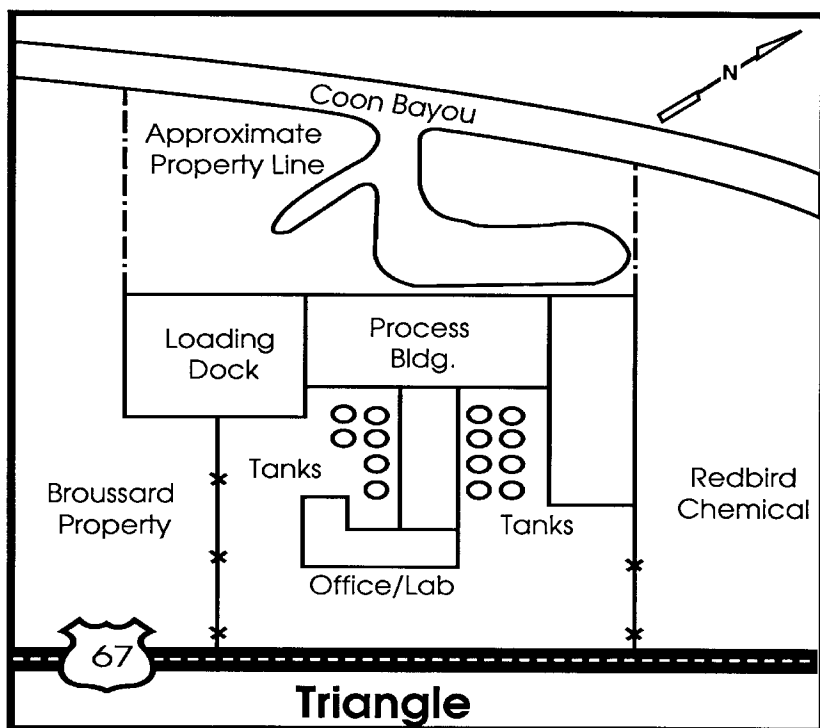
- ! The principal pollutants at the site included ethylbenzene, benzene, chlorobenzene in tanks and soils prior to remediation.
! Site waste volumes were approximately 53,000 gallons of liquid in tanks, and 3,200 cubic yards of contaminated soil.

Site Assessment and Ranking

NPL LISTING HISTORY

Site HRS Score: 28.75
Proposed Date: 12/30/82
Final Date: 9/08/83
NPL Update: No. 1

Site Map and Diagram



The Remediation Process

Site History:

- ! From 1970 to 1981, the site operated as a chemical mixing facility for automotive fluids.
- ! The site was abandoned in 1981 and placed in custody of the bankruptcy court.
- ! During April through August 1982, EPA installed a fence, removed drums, bulked and solidified contaminated soils, then sent soils and equipment to a permitted landfill.
- ! Approximately 1,000 55-gallon drums, 21,000 gallons of tank liquids, and 350 cubic yards of contaminated trash and soil were removed.
- ! April 1985, EPA repaired the fence and dug a drainage canal after site was vandalized.
- ! The Remedial Investigation and Feasibility Study (RI/FS) for the site was completed in 6/85.

Health Considerations:

- ! The site is located in a moderately populated area.

Other Environmental Risks:

! Surface soil was contaminated with volatile organic compounds (VOCs).

Record of Decision

Signed: June 11, 1985

! The Record of Decision (ROD) for the Triangle Chemical site called for deep-well injection of liquids (53,000 gallons), and mechanical aeration of contaminated soils to release volatile organics to the atmosphere under controlled conditions.

Other Remedies Considered

1. Off-site landfill of soils
2. On-site landfill
3. Capping site
4. "No action" environment.

Reason Not Chosen

Cost for double-lined facility too high
Cost too high, no available future land use
Contaminant leaching into shallow ground water.
Would not abate threat to health and

Community Involvement

- ! Community Involvement Plan: Developed 2/84, revised 11/87
! Proposed Plan Fact Sheet and Public Meeting: 5/85
! ROD Fact Sheet: 6/85
! Milestone Fact Sheets: 11/84, 3/85, 12/86, 1/87, 6/90, 8/90, 1/91
! Citizens on site mailing list: 41
! Constituency Interest: Low interest at this time - primarily landowners concerned about fish kills in the past.
! Site Repository: City of Orange Public Library, 220 North Fifth Street, West Orange, TX 77630

Technical Assistance Grant

- ! Availability Notice: None
! Grant Award: None
! Current Status: Site is closed out.

Contacts

- ! **Remedial Project Manager (EPA):** Ruben Moya, 214-665-2755, Mail Code: 6SF-AP
! **State Contact:** (TNRCC) Emmanuel Ndam, 512/239-2494, Mail Code 143
! **Community Involvement Coordinator (EPA):** Donn Walters, 214-665-6483, Mail Code: 6SF-P
! **Attorney (EPA):** Paul Wendell, 214-665-2136, Mail Code: 6SF-DL
! **State Coordinator (EPA):** Karen Bond, 214-665-6682, Mail Code: 6SF-AT

! Prime Contractor: Roy F. Weston, Inc.

Present Status and Issues

! The initial actions to secure the site and remove contaminated materials, as well as the completed actions to decontaminate and treat remaining contamination areas, have eliminated the exposure threat to residents and nearby Coon Bayou.

! Final goals have been achieved for the cleanup of surface contamination.

! The State of Texas is continuing to monitor ground water at the site to ensure that water quality reaches acceptable levels.

! Site Close Out Report signed by the Regional Administrator on 9/27/90, signifying completion of remedial action.

! Waste treatment and/or removal is complete and site is secure.

! Five-year review report completed on 7/11/94; report concluded the remedy was still protective of health and the environment and recommended continued ground water monitoring.

! The Notice of Deletion of the Triangle Chemical Company from the NPL was signed February 21, 1997 and finalized by Federal Register publishing. The Site is deleted from the NPL.

Benefits

! 53,000 gallons of hazardous liquids, and over 3,000 cubic yards of contaminated sludge waste have been effectively remediated at the Triangle Chemical site, and the site is currently being monitored by the State of Texas for remedy effectiveness.